

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1. (currently amended) Injection moulding device (1) comprising a mould body (2,5) having a cavity (4), an elongated nozzle (3) seated in the cavity, a valve pin (11) coaxially in the nozzle and actuating means (15) connected to the valve pin for axially displacing the valve pin in the nozzle, the actuating means comprising a ~~cylinder~~ cylinder housing (30) having a first pressure medium inlet (38) connected to a pressure medium duct (57) and a second pressure medium inlet (39) connected to a pressure medium duct (56), and a piston (33) reciprocatable in the cylinder housing (30) between an upper end position and a lower end position, the piston (33) being coupled to the valve pin (11), a flow detection means (58,59) in at least one of the pressure medium ducts (56,57), for forming a displacement signal characterised in that wherein the piston comprises a fluid passage (55) via which pressure medium can pass when the piston is in a position between its upper and its lower end position, and which is at least partly closed off when the piston is in its lower and/or its upper end position.

Claim 2. (cancelled).

Claim 3. (currently amended) Injection moulding device
(1) according to claim [[2]] 1, wherein the displacement signal
forms a visual indication of the ~~needle~~ pin position.

Claim 4. (cancelled).

Claim 5. (currently amended) ~~Injection moulding device~~
~~(1) according to claim 1,~~ Injection moulding device (1)
comprising a mould body (2,5) having a cavity (4), an elongated
nozzle (3) seated in the cavity, a valve pin (11) coaxially in
the nozzle and actuating means (15) connected to the valve pin
for axially displacing the valve pin in the nozzle, the actuating
means comprising a cylinder housing (30) having a first pressure
medium inlet (38) connected to a pressure medium duct (57) and a
second pressure medium inlet (39) connected to a pressure medium
duct (56), and a piston (33) reciprocatable in the cylinder
housing (30) between an upper end position and a lower end
position, the piston (33) being coupled to the valve pin (11),
wherein the piston comprises a fluid passage (55) via
which pressure medium can pass when the piston is in a position
between its upper and its lower end position, and which is at

least partly closed off when the piston is in its lower and/or its upper end position, and

wherein ~~[[the]]~~ a flow detection means (58,59) and a signal processing and/or display means (62) connected to the flow detection means are located at a distance from the mould body.

Claim 6. (currently amended) ~~Cylinder (15) for use in an injection moulding device according claim 1~~ The device of claim 1, further comprising a cylinder, the cylinder, comprising ~~[[a]]~~ the cylinder housing (30), ~~having a~~ the first pressure medium inlet (38) connected to a first pressure medium duct (37) and ~~[[a]]~~ to the second pressure medium inlet (39) connected to ~~[[a]]~~ the second pressure medium duct (56), ~~and a piston (35) reciprocable in the cylinder housing (30) between an upper end position and a lower end position, the piston being suitable to be coupled to the valve pin (11), characterised in that the piston comprises a fluid passage (55) via which pressure medium can pass when the piston is in a position between its upper and its lower end position, and which is closed off when the piston is in its lower and/or its upper end position.~~

REMARKS

The application has been amended and is believed to be in condition for allowance.

Previously claims 1-6 were pending.

This amendment incorporates the subject matter of claim 2 into claim 1. Claim 2 is cancelled. Claim 4 is also cancelled. Claim 5 is amended into independent form, incorporating the subject matter of original independent claim 1.

The Official Action objected to the specification for not including section headings and for other formal matters. Responsively, the specification has been amended.

The Official Action rejected claim 4 under §112, first paragraph. Claim 4 has been cancelled.

The Official Action rejected claims 2, 3, 5 and 6 under §112, second paragraph, as being indefinite.

The claims have been amended so as to remedy the stated basis of rejection. Accordingly, withdraw of the indefiniteness rejection is respectfully requested.

Applicants acknowledge with appreciation that the Official Action indicated that claims 2, 3 and 5 were directed to allowable subject matter and would be allowable if rewritten to overcome the indefiniteness rejection and to include all the recitation of the base and any intervening claims.

In reliance thereupon, claim 1 has been amended to include the recitations of allowable claim 2. Claim 2 has been cancelled. Claim 3 has been amended to depend from allowable claim 1.

Similarly, allowable claim 5 has been amended to include the recitations of original claim 1.

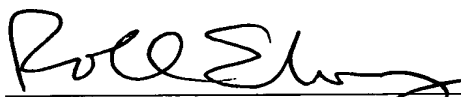
Claim 6 depends from allowable claim 1.

In view of the above, Applicants believe that the present application is in condition for allowance and an early indication of the same is respectfully requested.

The Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 25-0120 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17.

Respectfully submitted,

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